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FIRST ANNUAL REPORT

OF THE

NORTH CAROLINA SANATORIUM

FOR THE

TREATMENT OF TUBERCULOSIS

(UNDER THE DIRECTION OF THE STATE BOARD OF HEALTH)

SANATORIUM, N. C.

1914

RALEIGH
EDWARDS & BROUGHTON PRINTING COMPANY
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FIRST ANNUAL REPORT
OF THE
**NORTH CAROLINA SANATORIUM FOR
THE TREATMENT OF TUBERCULOSIS**

DR. W. S. RANKIN, *Secretary State Board of Health, Raleigh, N. C.*

MY DEAR DOCTOR:—I desire to submit to you and through you to the State Board of Health, the Governor and General Assembly, a report of the North Carolina Sanatorium for the treatment of tuberculosis for the year ending November 30, 1914. This is the proper period for a biennial report, but the Sanatorium having been closed during the fall of 1913 by the authorities then in charge, the Board of Directors, and their financial report having been passed on by the special session of the Legislature, and it being impossible to make a medical report for the previous year at this time, and the State Board of Health having had the Sanatorium turned over to them by the special session of the Legislature, 1913, and having assumed active control of the Sanatorium December 1, 1913, it was thought wise and proper for this report to cover the fiscal year December 1, 1913, to November 30, 1914.

The Bureau of Tuberculosis has wisely been placed under the same management as the Sanatorium, and the Superintendent of the Sanatorium is Director of the Bureau of Tuberculosis, and the Assistant Superintendent, Dr. P. P. McCain, is Assistant Director. This was thought wise, because those directing the Sanatorium would from that angle increase their efficiency for the fight against the disease throughout the State and gain valuable information and knowledge that cannot be gained outside a Sanatorium, and there would be no duplication of work.

The work of the Bureau has not been pushed with the vigor desired, on account of absence of funds, but it is hoped that these will be provided by the next General Assembly; and the first thing the Bureau will do will be to enforce the law requiring registration with the Bureau of all cases of tuberculosis in the State and furnishing free sputum cups and directions for the proper disposal of sputum. It is a sad commentary that sputum cups cannot be purchased in more than a dozen of the hundred counties in North Carolina.

Our Postoffice.—We have had established during the year a postoffice, officially known as "Sanatorium," which proves a great convenience to management and patients and relieves us of the expense of bringing the mail out from Aberdeen amounting to five dollars per month. It also greatly improves our mail facilities, as we now have a postal clerk on the A. & R. Railway and get mail from the South direct every morning.

Our Dairy.—While our dairy equipment is crude, and perhaps some of our cows are not giving sufficient milk to pay for their keep, yet we have produced 7,952 gallons of milk in the last six months and have had a total of 15,092 hospital days during the same period, making approximately half a gallon of whole sweet milk per day per patient, and at a cost of about thirty cents per gallon or a little less. Figures for the first six months of the year are not available. Our cows have all been tuberculin tested and no tuberculosis was found.

Our Farm.—We have in cultivation about a hundred acres. Our present farming activities are directed along the line of feeding the dairy and producing vegetables for the table, neither of which are we doing to our satisfaction. We should have at least two hundred acres more in cultivation, a hundred of which should be planted in fruits. This section of the State is becoming famous for its fine peaches, pears, berries, melons, potatoes, etc., etc., and it is to be hoped that some demonstration farm work shall be done on the State's Sanatorium property which shall prove alike profitable to the Sanatorium and to the people of this section, if not the entire State.

Our Buildings.—In the main the buildings are admirably adapted for the treatment of "up patients," but not at all adapted for "bed patients." It is impossible to conduct a sanatorium for the treatment of tuberculosis without having "bed patients," and would not be desirable if it were possible. Our buildings are not so correlated as to be used to the greatest and best advantage. We have in one room 14x14 the following activities: Superintendent's private office, bookkeeper's office and filing cases, nurses' chart room and stenographer's desk (on landing of stairway), sterilizing room, head nurse's office, drug room, throat treatment room, etc., and this is a sample of the inadequacy of our facilities.

We need a new building which shall be for all time to come the main building and which shall comprise in one, business and medical offices, laboratory rooms, drug rooms, etc., receiving building and hospital which will care for the "bed patients." This will enable us to correlate and use to advantage all present buildings. It will also enable us to do our work in a satisfactory manner, which is impossible at this time.

Light, Heat and Power.—Light by kerosene, heat mostly by open fire, gasoline engines for power; this is at once, crude, inconvenient, expensive and dangerous. We should have a power plant, in which building would be located heating plant, lighting plant, cold storage plant, bottling plant, laundry, etc. The express on our laundry costs us more than the work ought to cost. Our ice costs us \$100 per month in the summer, and before we got our present refrigerator box the loss of meat, eggs and produce was even greater.

Our Location.—After considerable experience let it be said that we do not believe a better location could be found. The Sanatorium stands on a high elevation, giving a complete survey of the horizon from every direction. This is the only point we have ever seen where such an unobstructed view is had save on the ocean and the summit of Pike's Peak. This, then, gives us refreshing breezes night and day the summer through, and makes the summer more like summer in the mountains of Western North Carolina than any place we have been, while the winter is equable enough for the moneyed Tufts to form a winter resort hard by, at the now famous Pinehurst.

Our Per Capita Cost, \$1.71 Per Day.—On account of our lack of storage facilities, limited appropriation and credit, we have found it necessary to buy in small quantities, making the prices and transportation higher, and we found in increasing the number of patients from thirty to ninety, averaging eighty-one for the last six months, it required much larger purchases of equipment than would obtain when we were serving about the same number all the time. In giving the patients a first-class diet, which is necessary in the treatment of tuberculosis, costing nearly \$1 per day for food alone, we

have found it necessary to practice economy in other places where it was at times very trying. No good sanatorium has ever been conducted on less than \$1.50 per day, ranging on up to \$2 per day; and the first part of the year necessarily having been very expensive on account of change of management, opening the institution, the small number of patients, the high price paid for nurses, etc., we really consider ourselves fortunate in being able to report an average per capita cost of \$1.71 per day per patient. With proper equipment it is my opinion that we can run the institution on \$1.50 per day. It is probable that a State purchasing agent would save the State more than enough money to run one of her smaller institutions.

Religious and Social Life at the Sanatorium. We have a prayer service during the week, usually conducted by some of the ministers of the neighboring towns of Aberdeen and Raeford, and a Sunday School service on Sunday afternoon. We have had two patients who were ministers: Rev. W. B. Waff and Rev. S. A. Edgerton; and their conduct of the services during their residence with us has been a great help to us and their ministry has been a great blessing to us.

An occasional entertainment in which the patients, nurses and staff participated has been very enjoyable, especially the Hallowe'en party with the fall decorations, including the proverbial pumpkin; the Christmmas tree and the marshmallow roast during the Christmas holidays, etc. The religious and moral tone of the Sanatorium is very satisfactory.

Bequests. Through the will of the late Miss Angie Gilbert, of Saluda, N. C., we are to receive the residue of her estate, which, however, will not be paid over for eight or ten months. She died of tuberculosis and had this intelligent and well directed sympathy for her fellow sufferers. We have had about one hundred and fifty good books donated to our library, and the good people of Concord have kindly given us one hundred dollars with which to buy book cases.

The 1914 Red Cross Seal Campaign made available for the fight against tuberculosis in North Carolina about ten thousand dollars. (Exact amount not known at this writing.) This will be used in some places to employ visiting nurses, in others to send a patient to the Sanatorium; in others where smaller sales are had, to help worthy deserving patients to food, shelter and medicine; in others to conduct educational campaigns on tuberculosis, etc. We have reason to believe that other donations of much larger proportions will be forthcoming as soon as the State provides the much needed physical equipment at the Sanatorium.

Our Capacity. Our capacity at most is eighty, but we have been crowding our building almost beyond the limit of endurance and have been carrying ninety patients for the past three months and have rejected or postponed nearly two hundred applications in the last six months, notwithstanding the fact that all physicians in the State knew there was no room only as some patient left.

Fire Protection and Water Supplly. We have absolutely no fire protection. We have not sufficient water storage facilities, only 12,000 gallons, and we use that much every day, to fight fire and no water mains to carry it; the largest main is two inches. We have no fire extinguishers and have not had the money since the present management assumed control with which to buy them.

The Medical Side. The medical work has been conducted in a satisfactory way, taking into consideration the equipment and facilities. We make a detailed report to the physician sending the patient as soon as we have completed our first examination and other reports any time he may desire. Our laboratory is scant in equipment and scanner, if possible in housing, but notwithstanding these handicaps we have made five hundred laboratory examinations during the months of September, October, and November, including sputum examinations, urine analyses, both chemical and microscopical, stomach analyses, blood cell counts and blood examinations for plasmodium.

X-Ray. The X-ray is at this time one of the important diagnostic methods in tuberculosis. Pneumothorax work cannot be done scientifically or satisfactorily without an X-ray outfit, and this is one of the most important of the latter day developments in the treatment of tuberculosis. We are urgently in need of an X-ray outfit.

Respectfully submitted,

L. B. McBRAYER,

Superintendent.

MEDICAL REPORT.

DEFINITIONS OF TERMS EMPLOYED.

ON ADMISSION.

These definitions indicate the furthest extent of disease and the greatest severity of symptoms that a patient can present and still belong to the stage defined. All patients beyond the incipient stage fall under the moderately advanced stage unless the physical signs and symptoms exceed those of the moderately advanced stage, when they should be classified as far advanced.

Incipient.

Slight or no constitutional symptoms (including, particularly, gastric or intestinal disturbance or rapid loss of weight). Slight or no elevation of temperature or acceleration of pulse at any time during the twenty-four hours.

Expectoration usually small in amount or absent. Tubercl bacilli may be present or absent.

Slight infiltration limited to the apex of one or both lungs or a small part of one lobe.

No tuberculous complications.

Moderately Advanced.

No marked impairment of function, either local or constitutional.

Localized consolidation moderate in extent with little or no evidence of cavity formation; or infiltration more extensive than under incipient. No serious complications.

Far Advanced.

Marked impairment of function, local and constitutional.

Marked consolidation of an entire lobe.

Or disseminated areas of beginning cavity formation.

Or serious complications.

Miliary Tuberculosis.

ON DISCHARGE.

Arrested.

All constitutional symptoms and expectoration with bacilli absent for a period of six months; the physical signs to be those of a healed lesion.

Apparently Arrested.

All constitutional symptoms and expectoration with bacilli absent for a period of three months, the physical signs to be those of a healed lesion.

Quiescent.

Absence of all constitutional symptoms, expectoration and bacilli may or may not be present; physical signs stationary or retrogressive, the foregoing conditions to have existed for at least two months.

Improved.

Constitutional symptoms lessened or entirely absent; physical signs improved or unchanged; cough and expectoration with bacilli usually present.

Unimproved.

All essential symptoms and signs unabated or increased.

TERMS USED IN DEFINITION OF "INCIPIENT"

1. *Slight Constitutional Disturbance.*

Slight loss of appetite, of strength, of weight; lassitude; possibly slight acceleration of pulse or possibly slight elevation of temperature. The impairment of health may be so slight that the patient does not look or feel sick in the ordinary sense of the word.

2. *Slight Elevation of Temperature.*

Maximum temperature after rest for one hour, never goes 99.5 to 100 degrees F. by mouth (or 100.5 per rectum).

3. *Slight Acceleration of Pulse.*

Maximum pulse rate not over 90 after rest for one hour, sitting or lying, except when due to causes other than tuberculosis.

4. *Absence of Tubercle Bacilli.*

Each monthly examination (if the sputum be negative), to consist of a careful microscopic examination, with a mechanical stage, of two smears, devoting at least three minutes to each smear, made from selected particles (at least six from different parts) of the sputum on each of three successive days. The morning sputum should always be obtained, or, better, the minute bits that some arrested patients raise at very infrequent intervals. It is not yet deemed wise to insist on digestion and centrifugalization, or on inoculation of guinea-pigs.

5. Infiltration.

Physical signs of slight prominence of the clavicle, lessened movement of chest, narrowing of apical resonance with lessened movement of base of lung, slight or no change in resonance, distant or loud and harsh breathing, with or without some change in the rhythm (*i. e.*, prolonged expiration); vocal resonance possibly slightly increased; or fine or moderately coarse râles present or absent. If sputum contains tubercle bacilli, any one of these.

6. Apex.

That portion of the lung situated above the clavicle and the third vertebral spine.

7. Small Part of One Lobe.

An area of one or two intercostal spaces, or an area not exceeding 60 to 80 sq. cm. in extent, according to the size of the patient.

TERMS USED IN DEFINITION OF "MODERATELY ADVANCED."

8. Marked Impairment of Function, Either Local or Constitutional.

Local: Marked dyspnea on exertion, limiting seriously the patient's activity.

Constitutional: Marked weakness, anorexia, tachycardia.

9. Moderate Extent of Localized Consolidation.

An area of one-half lobe or less, but may involve both apices; marked dullness, bronchial or decidedly broncho-vascular breathing; markedly increased vocal resonance; râles usually present. These signs are to be sharply limited as to area instead of gradually shading into normal physical signs.

10. Evidences of Destruction of Tissue.

Presence of tubercle bacilli or elastic fibers in the sputum or the presence of the physical signs of a cavity. There are no absolutely certain physical signs of cavity, but a combination of any four of the following signs is to be taken as indicative of a cavity: (1) cracked-pot note; (2) amphoric breathing; (3) intense whispering pectoriloquy; (4) a veiled puff or post-tussive suction; (5) bubbling or resonant râles. "Physical signs of softening" do not admit of any definition apart from that of cavity formation, and the terms should not be used.

11. Disseminated Fibroid Deposits.

More or less localized areas of fibrous tissue, producing on physical examination, some change or dullness in the percussion note, more or less increase of vocal resonance, harsh, suppressed or bronchovesicular breathing, râles sibilant or sonorous usually, but at times fine and moderately coarse.

12. Serious Complications.

These should be limited to tuberculous complications, such as meningitis, pharyngitis, laryngitis (except slight thickening in the posterior interarytenoid space, and superficial ulceration of a vocal cord), enteritis, peritonitis, nephritis, cystitis, orchitis, adentis (unless very slight), etc.

STATISTICAL.

Number of patients treated during year.....	248
Number of patients in Sanatorium December 1, 1914.....	78
Not classified	6
Not tuberculous	2
Number of patients to be reported on.....	162

CLASS I. FIFTY-SIX PATIENTS WHO REMAINED LESS THAN THIRTY DAYS.

Condition on Admission	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....	8			8		
Moderately advanced.....	24			21	3	
Far advanced.....	23			9	14	
Acute tuberculosis.....	1				1	
Total.....	56			38	18	
Average stay.....	18.25 days	Gained weight.....	27	Lost weight.....	3	
Longest stay.....	29 days	Average gain.....	4.11 lbs.	Average loss.....	3.16 lbs.	
Shortest stay.....	2 days	Largest gain.....	14 lbs.	Largest loss.....	4 lbs.	
		Smallest gain.....	1.25 lbs.	Smallest loss.....	2.5 lbs.	
		Not weighed.....	24			

CLASS II. SIXTY-SEVEN PATIENTS WHO REMAINED FROM THIRTY TO EIGHTY-NINE DAYS.

Condition on Admission	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....	7			5	2	
Moderately advanced.....	30			6	24	
Far advanced.....	30				13	17
Acute tuberculosis.....						
Total.....	67			11	39	17
Average stay.....	52.07 days	Gained weight.....	45	Lost weight.....	14	
Longest stay.....	89 days	Average gain.....	10.01 lbs.	Average loss.....	3.07 lbs.	
Shortest stay.....	30 days	Largest gain.....	42.5 lbs.	Largest loss.....	5 lbs.	
		Smallest gain.....	1.5 lbs.	Smallest loss.....	1 lbs.	
		Not weighed.....	8			

CLASS III. THIRTY-NINE PATIENTS WHO REMAINED NINETY DAYS OR MORE.

Condition on Admission	Arrested	Apparently Arrested	Quiescent	Improved	Unimproved	Died
Incipient.....	3	2	1			
Moderately advanced..	24	4	15	2	1	
Far advanced.....	12	2	1	6	2	1
Acute tuberculosis.....						
Total.....	39	4	6	17	8	3
						1

Average stay.....	153.2 days	Gained weight.....	30	Lost weight.....	8
Longest stay.....	335 days	Average gain.....	15.28 lbs.	Average loss.....	8.9 lbs.
Shortest stay.....	91 days	Largest gain.....	34 lbs.	Largest loss.....	24 lbs.
		Smallest gain.....	1 lbs.	Smallest loss.....	1.25 lbs.
		Not weighed.....	1		

HISTORY OF HEMORRHAGE IN THE 162 PATIENTS.

Positive.....	52	Previous.....	44
		During residence.....	5
		Previous and during residence	3
Negative.....	110		
Total.....	162		

COMPLICATIONS.

Anal Fistula	5
Asthma	2
Bronchitis	6
Broncho-pneumonia	2
Cystitis	1
Diabetes	1
Hemorrhoids	1
Herpes Zoster	1
Hydro-pneumothorax (spontaneous)	1
Ischio-rectal Abscess	1
Malaria, Tertian	1
*Mumps	1
Mitral Regurgitation	1
Nephritis	2
Neurasthenia	4
Pleurisy with Effusion	5
Pregnancy	1
Tubercular Enteritis	5
Tubercular Laryngitis	21
Tubercular Otitis Media	2
†Tubercular Peritonitis	1
Tubercular Pharyngitis	2

*No other cases developed.

†Patient had fistula following appendectomy; peritonitis developed causing intestinal obstruction and necessitated operation.

PATIENTS GIVEN THE TUBERCULIN TEST.

Positive	9
Negative	2
Total	11

CIVIL CONDITION.

Married	82
Single	69
Widowed	11
Total	162

AGE AND SEX.

	10—15	15—20	20—30	30—40	40—50	50—60	60—70	70—80
Male.....	105	1	5	46	29	14	7	3
Female.....	57	3	5	25	16	4	3	1
Total....	162	4	10	71	45	18	10	1

OCCUPATIONS OF THE 162 PATIENTS.

Bookkeeper	2	Painter	1
Brickmason	1	Pupil Nurse	1
Butcher	1	Physician	2
Carpenter	5	Pharmacist	2
Clerk in Bakery	1	Register of Deeds.....	1
Clerk in Store	7	Road Commissioner	1
Cotton Mill Operator	10	Rural Mail Carrier	2
Fireman (Stationary Engine) ..	1	Social Service Worker	1
Farmer	23	Supt. of Cotton Oil Mill.....	1
Foreman of Cotton Mill	1	Student	14
Freight Conductor	2	Shipping Clerk	2
Horse Trader	1	Seamstress	1
Housework at Home	8	Stenographer	4
Housewife	31	Street Car Conductor	1
Iron Moulder	2	Stock Clerk in Machine Shop...	1
Jeweler	1	Telegraph Operator	4
Liveryman	1	Teacher	2
Lumber Mill Operator and Owner	1	Tobacco Buyer	1
Machinist	5	Treasurer Cotton Mill	1
Merchant	8	Traveling Salesman	2
Milliner	1	Varnisher in Furniture Factory..	1
Minister	3	Total	162

TOWNS FROM WHICH THE PATIENTS CAME.

Altamahaw	1	Lillington	3
Apex	1	Lucama	1
Aulander	1	Macclesfield	1
Bailey	1	Manteo	1
Burgaw	1	Marler	1
Balsam	1	Mars Hill	1
Burlington	4	Macon	1
Carthage	1	McFarland	1
Charlotte	7	McLeansville	1
Creedmoor	1	Micro	1
Cherryville	1	Maxton	2
Calypso	1	Mocksville	1
Conway	1	Mooresboro	1
Chinquapin	1	Morganton	1
Columbia	1	Mt. Airy	1
Conover	1	Mt. Gilead	1
Duke	1	Monroe	2
Dunn	1	Mt. Olive	2
Durham	3	New Hill	3
Elizabethtown	1	Norwood	1
Everetts	1	Oxford	2
Elizabeth City	3	Old Trap	1
Enfield	1	Pembroke	1
Fuquay Springs	1	Pineville	2
Fayetteville	3	Prinson	1
Fallston	1	Plymouth	1
Fair Bluff	1	Ramseur	1
Gastonia	1	Raleigh	3
Goldsboro	1	Randleman	5
Granite Falls	1	Raeford	2
Greenville	1	Roxobel	1
Guilford College	1	Rocky Mount	6
Grimesland	1	Reidsville	1
Greensboro	13	Rougemont	1
Hertford	1	Salemburg	1
Hatteras	1	Salisbury	1
Harrisburg	1	Smithfield	2
Hillsboro	1	Shannon	1
Hickory	4	Southern Pines	1
King	1	Statesville	1
Kinston	1	Shelby	2
La Grange	1	St. Paul	1
Leasburg	1	Trinity	1
Lincolnton	2	Tobaccoville	1
Lenoir	1	University	1
Lexington	1	Union Ridge	1
Laurinburg	1	Vaughn	1
Liberty	1	Vineland	3
Lumber Bridge	1	Verona	1

Wade	1	White Oak	1
Weldon	1	Williamston	1
Whitaker	1	Youngsville	1
Weeksville	1	Yadkinville	1
Winston-Salem	1		
		Total	162

COUNTIES FROM WHICH THE PATIENTS CAME.

Alamance	5	Lincoln	2
Anson	1	Martin	2
Bertie	2	Madison	1
Bladen	2	Mecklenburg	9
Burke	1	Montgomery	2
Caldwell	2	Moore	2
Catawba	5	Nash	7
Cleveland	4	Northampton	1
Camden	1	Orange	2
Cumberland	4	Onslow	1
Columbus	4	Pitt	2
Chatham	1	Pender	1
Caswell	1	Pasquotank	4
Cabarrus	1	Perquimans	1
Davidson	1	Randolph	8
Dare	2	Robeson	6
Davie	1	Rowan	1
Duplin	2	Rockingham	1
Durham	5	Scotland	1
Edgecombe	1	Sampson	1
Forsyth	2	Stokes	1
Franklin	1	Surry	1
Granville	3	Stanly	1
Guilford	15	Tyrrell	1
Gaston	2	Union	2
Harnett	6	Wake	8
Halifax	2	Warren	2
Hoke	2	Wayne	3
Iredell	1	Washington	1
Jackson	1	Wilson	1
Johnston	3	Yadkin	2
Lenoir	1		
		Total	162

NATIONALITY OF THE 162 PATIENTS.

American	161
Syrian	1
Total	162

In addition to the regular sanatorium work we have been examining free of charge anyone who wished to come for diagnosis and consultation. Sixty-five such examinations have been made in the past nine months.

PHYSICIANS WHO HAVE MADE APPLICATION FOR ADMISSION OF
PATIENTS.

Averitt, Dr. K. G.....	1	Caddell, Dr. S. W.....	2
Austin, Dr. F. D.....	1	Cloninger, Dr. L. V.....	1
Anderson, Dr. C. A.....	1	Chapin, Dr. W. B.....	1
Alston, Dr. Willis.....	1	Cooper, Dr. G. M.....	1
Adams, Dr. N. B.....	1	Carroll, Dr. J. W.....	1
Ayers, D. Thos. B.....	1	Carter, Dr. S. H.....	1
Alford, Dr. A. E. B.....	1	Caldwell, Dr. D.....	1
Abernathy, Dr. H. N.....	1	Cox, Dr. G. S.....	1
Armstrong, Dr. C. E.....	1	Dixon, Dr. Delia.....	1
Anderson, Dr. Jos. A.....	1	Dixon, Dr. W. H.....	1
Ashcraft, Dr. J. E.....	1	Dowell, Dr. J.....	2
Black, Dr. J. C.....	1	Dees, Dr. R. O.....	1
Bass, Dr. S. P.....	1	Dick, Dr. R. V.....	2
Burke, Dr. B. W.....	2	Doyle, Dr. W. P.....	1
Buchanan, Dr. E. J.....	1	Deligny, Dr. C.....	1
Boyles, Dr. J. H.....	2	Duncan, Dr. Guy F.....	1
Brittle, Dr. P. C.....	1	Duffy, Dr. Richard.....	1
Beall, Dr. W. P.....	3	Eagles, Dr. C. S.....	2
Braswell, Dr. J. C.....	1	Evans, Dr. T.....	2
Brown, Dr. G. W.....	2	Faucette, Dr. T. S.....	4
Brantley, Dr. H.....	2	Fearing, Dr. I.....	2
Bonner, Dr. K. P. B.....	1	Freeman, Dr. R. H.....	2
Bostic, Dr. W. C.....	1	Falls, Dr. N. F.....	1
Barefoot, Dr. J. J.....	1	Floyd, Dr. A. S.....	1
Blair, Dr. M. P.....	2	Fox, Dr. D. L.....	1
Bonney, Dr. S. G.....	1	Ferebee, Dr. C. G.....	1
Baird, Dr. John H.....	1	Fearing, Dr. Zenos.....	1
Browning, Dr. B. R.....	1	Felts, Dr. R. L.....	1
Battle, Dr. S. W.....	1	Fleming, Dr. W. L.....	1
Barr, Dr. T. E.....	1	Flippen, Dr. R. D.....	1
Buchanan, Dr. C. L.....	1	Foster, Dr. G. A.....	1
Buxton, Dr. J. T.....	1	Foscue, Dr. J. E.....	1
Bailey, Dr. M.....	1	Falls, Dr. B. F.....	1
Best, Dr. Henry B.....	1	Gibbs, Dr. J. B.....	1
Bahnson, Dr. H. T.....	1	Gamble, Dr. J. C.....	1
Boddie, Dr. W. P.....	1	Glenn, Dr. J. F.....	1
Balsley, Dr. T. E.....	2	Gilreath, Dr. F. H.....	1
Cheek, Dr. C. E.....	1	Gibbs, Dr. E. W.....	2
Campbell, Dr. J. R.....	1	Gates, Dr. F. P.....	2
Coleman, Dr. J. C.....	1	Glenn, Dr. H. F.....	1
Campbell, Dr. Reuben.....	1	Glascock, Dr. Harold.....	1
Capp, Dr. C. L.....	1	Grady, Dr. J. C.....	1
Chaney, Dr. T. M.....	1	Graham, Dr. B. R.....	1
Cole, Dr. W. F.....	1	Gladmon, Dr. Edwin.....	1
Cowell, Dr. W. H.....	1	Greene, Dr. A. W.....	1
Campbell, Dr. J. I.....	3	Griffin, Dr. W. R.....	1
Cowell, Dr. L. A.....	2	Griffith, Dr. C. F.....	1
Cochran, Dr. J. T.....	1	Hinnant, Dr. M.....	1

Hunter, Dr. W. M.....	1	McAdams, Dr. C. R.....	1
Hunsucker, Dr. Charles.....	1	McGehee, Dr. J. W.....	3
Holt, Dr. W. T.....	1	McMillan, Dr. R. D.....	1
Hyatt, Dr. F. C.....	1	McDonald, Dr. A. A.....	1
Horton, Dr. E. N.....	1	McAnally, Dr. W. J.....	1
Hicks, Dr. C. S.....	1	McGoogan, Dr. V.....	2
Hays, Dr. Ben K.....	2	McIver, Dr. Lyman.....	1
Halford, Dr. J. W.....	1	McFadden, Dr. R. H.....	1
Harding, Dr. Tom.....	2	McManus, Dr. W. L.....	1
Harrison, Dr. Edwin.....	1	McMillan, Dr. John M.....	1
Holt, Dr. W. P.....	1	McCoy, Dr. T. M.....	1
Hauser, Dr. E. A.....	1	McElwee, Dr. R. S.....	1
Hughes, Dr. C. M.....	1	McMullan, Dr. O.....	1
Hodgin, Dr. H. H.....	2	McIver, Dr. E. M.....	1
Hayes, Dr. R. B.....	2	McCanless, Dr. W. V.....	1
Hocutt, Dr. B. S.....	1	McMullen, Dr. J. H.....	1
Harrison, Dr. J. S.....	1	Maxwell, Dr. H. B.....	1
Hayworth, Dr. C. A.....	1	Morehead, Dr. W. P.....	1
Harper, Dr. J. H.....	1	Mudgett, Dr. W. C.....	1
Hill, Dr. D. J.....	2	Menzies, Dr. H. C.....	2
Highsmith, Dr. Chas.....	1	Morse, Dr. John.....	1
Hyatt, Dr. H. B.....	2	Meadows, Dr. W. J.....	4
Ingram, Dr. C. B.....	1	Michaux, Dr. E. R.....	2
Johnson, Dr. R. W.....	2	Moore, Dr. F. T.....	1
Jenkins, Dr. P. C.....	1	Munroe, Dr. J. P.....	1
Johnson, Dr. B. C.....	1	Maxwell, Dr. J. F.....	2
Jurney, Dr. P. C.....	1	Misenheimer, Dr. T. F.....	1
Jones, Dr. C. D.....	3	Myers, Dr. Jas. A.....	2
Judd, Dr. E. C.....	1	Mann, Dr. Jas. A.....	2
Justice, Dr. J. T.....	1	Myers, Dr. J. A.....	1
Jenkins, Dr. J. H.....	1	Mebane, Dr. W. N.....	1
Jones, Dr. R. D.....	1	Murphy, Dr. W. E.....	1
Jennings, Dr. W. E.....	1	Morehead, Dr. R. P.....	1
Kirkpatrick, Dr. L. R.....	2	Malone, Dr. J. E.....	1
Kent, Dr. A. A.....	1	Mayerberg, Dr. J. W.....	1
Kirk, Dr. W. R.....	1	Moore, Dr. Oren.....	1
Knox, Dr. John.....	1	Monk, Dr. H. G.....	1
Kinsman, Dr. H. F.....	1	Minor, Dr. C. L.....	1
Kerns, Dr. T. C.....	1	Mitchell, Dr. W.....	1
Laughinghouse, Dr. C. O'H.....	1	Mosely, Dr. H. P.....	1
Long, Dr. E. F.....	1	Monroe, Dr. Will.....	1
Lister, Dr. E. W.....	1	Moore, Dr. W. J.....	1
Liles, Dr. N. P.....	1	Mann, Dr. E. D.....	1
Lovett, Dr. W. D.....	1	Newell, Dr. L. B.....	2
Lovelace, Dr. T. B.....	1	Neal, Dr. J. W.....	1
Long, Dr. T. Y.....	1	Newell, Dr. L. A.....	1
Long, Dr. H. F.....	2	Nelson, Dr. O. M.....	1
Lyday, Dr. W. M.....	1	Newell, Dr. J. C.....	1
McNeill, Dr. J. W.....	2	Newland, Dr. Mary.....	1
McLeod, Dr. Gilbert.....	1	Olive, Dr. W. W.....	4
McPherson, Dr. John.....	1	Olive, Dr. P. W.....	1

Phillips, Dr. M. D.....	1	Spencer, Dr. T. B.....	1
Pitts, Dr. Walter Ingold.....	1	Stanley, Dr. J. H.....	2
Phillips, Dr. C. H.....	1	Stevens, Dr. Martin L.....	2
Powers, Dr. John B.....	1	Swindell, Dr. F. O.....	1
Pinnix, Dr. J. A.....	1	Sadler, Dr. R. C.....	1
Patrick, Dr. J. E.....	1	Strull, Dr. J. R.....	2
Pfohl, Dr. S. F.....	1	Sweeney, Dr. John.....	1
Patten, Dr. W. T.....	2	Slate, Dr. J. S.....	1
Powell, Dr. H. H.....	1	Stuart, Dr. J. J.....	1
Pressly, Dr. Geo. W.....	1	Shuford, Dr. J. H.....	1
Pate, Dr. Geo. M.....	1	Spencer, Dr. W. O.....	1
Parker, Dr. J. R.....	1	Tate, Dr. C. S.....	2
Pritchard, Dr. J. L.....	1	Tucker, Dr. H. M.....	2
Parker, Dr. C. G.....	1	Taylor, Dr. W. I.....	1
Powell, Dr. W. E.....	1	Thompson, Dr. Joseph.....	1
Quillen, Dr. E. B.....	3	Tillotson, Dr. S. F.....	1
Russell, Dr. C. R.....	2	Tatum, Dr. M. M.....	1
Rosser, Dr. R. G.....	2	Tayloe, Dr. D. T.....	4
Roberson, Dr. C. R.....	3	Thompson, Dr. Cyrus.....	1
Rosier, Dr. R. G.....	1	Taylor, Dr. J. T.....	1
Rogers, Dr. J. R.....	3	Terry, Dr. J. R.....	1
Rodwell, Dr. J. W.....	1	Twitty, Dr. J. C.....	1
Reed, Dr. J. W.....	1	Trippe, Dr. C. M.....	1
Rowe, Dr. R. H.....	1	Underwood, Dr. O. E.....	1
Reeves, Dr. B. E.....	2	Vernon, Dr. J. W.....	1
Ross, Dr. C. E.....	1	Von Ruck, Dr. Karl.....	1
Royster, Dr. S. S.....	1	Wilkerson, Dr. C. B.....	1
Roberts, Dr. H. O.....	1	Walker, Dr. W. E.....	3
Rankin, Dr. R. R.....	1	Williams, Dr. C. B.....	2
Rogers, Dr. W. A.....	1	Wilkerson, Dr. C. E.....	5
Reed, Dr. R. M.....	1	Whitaker, Dr. F. A.....	1
Ricks, Dr. L. E.....	1	Witherspoon, Dr. J. J.....	1
Ross, Dr. Otho B.....	1	Willams, Dr. J. A.....	1
Ross, Dr. R. D.....	1	Williams, Dr. J. W.....	1
Ramsour, Dr. G. A.....	1	Woodard, Dr. A. G.....	2
Strosnider, Dr. C. F.....	2	Ward, Dr. I. A.....	1
Sutton, Dr. O. U.....	1	Whitaker, Dr. R. B.....	1
Speight, Dr. Joseph.....	3	Ward, Dr. W. H.....	2
Sikes, Dr. G. L.....	1	Wellborn, Dr. Wm. R.....	1
Speight, Dr. R. H.....	1	White, Dr. W. S.....	1
Sanford, Dr. J. F.....	2	Wood, Dr. J. W.....	1
Shuford, Dr. Jacob.....	1	Wooten, Dr. A. M.....	1
Self, Dr. L. L.....	1	Wood, Dr. E. J.....	2
Stanton, Dr. D. A.....	3	Wrenn, Dr. Frank.....	1
Stuart, Dr. H. D.....	1	Warren, Dr. R. F.....	1
Smithwick, Dr. W. P.....	1	White, Dr. J. W.....	1
Saunders, Dr. J. H.....	1	Williams, Dr. J. M.....	1
Steele, Dr. W. C.....	1	Wiggins, Dr. Carroll.....	1
Somers, Dr. L. P.....	1	York, Dr. Nelson D.....	1
Spruill, Dr. J. L.....	1	Yow, Dr. Ira A.....	2
Smith, Dr. A. J.....	2	Zimmerman, Dr. C. St. V.....	1
Smithwick, Dr. J. E.....	1	Total.....	388

Financial Statement North Carolina Sanatorium

NOVEMBER 30, 1914.

CAPITAL ASSETS.

Real Estate—Farm.....	\$11,048.71
Real Estate—Hospital and Buildings.....	63,506.97
Pump Station	688.00
Dairy Fixtures	206.73
Barns and Silos	2,232.71
Club House Furniture and Fixtures.....	20.00
Dining Hall and Kitchen Furniture and Fixtures.....	1,275.47
Hospital Furniture and Fixtures.....	4,330.29
Nurses' Home Furniture and Fixtures.....	4,330.29
Automobile	597.00
	<hr/>
	\$84,322.78

CURRENT ASSETS.

Cash on hand	\$ 443.06
Cash in bank	241.12

Inventory:

Coal	\$ 196.00
Crockery	400.91
Drugs—Medicines	100.00
Hospital Supplies	200.00
Dairy Expense (Feed).....	1,041.00
Dairy Live Stock	1,875.00
Farm Expense (Feed)	120.00
Farm Machinery and Tools	495.06
Farm Live Stock	720.00
Linen and Bedding	1,738.77
Provisions	227.79
	<hr/>
Total assets	7,114.53
	<hr/>
	\$ 7,798.71

Total assets

\$ 92,121.49

LIABILITIES.

Bills payable	\$ 3,074.48
Accounts payable	16,427.74
Unexpended fund for Library	100.00
	<hr/>
Net worth	72,519.27
	<hr/>
Total liabilities	\$92,121.49

RECEIPTS.

Cash on hand December 1, 1913.....	\$ 39.86
Cash in bank December 1, 1913.....	34.53
State Appropriation—Maintenance	20,000.00
State Appropriation—Construction and Equipment.....	12,738.76
From patients	19,640.71

Sundry Receipts:

Automobile	\$134.75
Donations to Orphan Children	35.00
Donations to Library	100.00
Dairy Live Stock	52.00
Dining Hall and Kitchen Equipment50
Fuel, Light and Water	27.73
Hospital Supplies	110.77
Ice50
Laundry	72.64
Provisions	64.61
Service, Cooks, etc.	5.91
Telephone and Telegraph	2.70
	607.11

	\$ 53,060.97

DISBURSEMENTS.

Automobile Expense	\$ 151.20
Automobile	206.00
Building and Improvements	1,190.99
Bills Payable	500.00
Crockery	337.22
Drugs and Medicine	515.54
Dairy Expenses	2,905.05
Dairy Live Stock	200.00
Dining Hall and Kitchen Equipment	835.64
Donations to Orphan Children	35.00
Fuel, Light and Water	1,187.42
Freight, Express and Drayage	1,181.26
Farm Expenses	2,308.79
Hospital Supplies	471.60
Hospital Furniture and Fixtures	1,178.91
Ice and Coal	920.66
Improvements Hospital	5,703.37
Insurance	5.00
Interest	80.93
Laundry	1,403.69
Linen and Bedding	971.76
Nurses and Attendants	2,555.67
Office Supplies	43.09
Provisions	13,964.73
Patients—Refunds	417.15
Pump Station	20.00

Plumbing Repairs	\$ 44.28
Real Estate—Hospital Building.....	2,473.39
Salaries	5,477.41
Service, Cooks, etc.....	4,499.05
Silo	188.00
Stamps and Stationery	128.80
Pump Repairs	12.48
Traveling Expenses	209.73
Telephone and Telegraph	52.98
Unexpended Fund for Library	100.00
Cash on hand November 30, 1914.....	343.06
Cash in bank November 30, 1914.....	241.12

	\$53,060.97

DEBIT.

Page Trust Company.....	\$ 241.12
Real Estate—Farm.....	11,048.71
Real Estate—Hospital and Buildings, Dec. 1, 1913.....	\$51,576.86
Improvements	11,930.11

63,506.97	
Pump Station, December 1, 1913.....	\$ 668.00
Improvements	20.00

688.00	
Dairy Fixtures, December 1, 1913.....	\$ 65.00
Improvements	41.73
Transferred from Farm Machinery and Tools...	100.00

	206.73
Barns and Silos, December 1, 1913.....	\$ 2,044.71
Improvements	188.00

	2,232.71
Club House Furniture and Fixtures, Dec. 1, 1913.....	\$ 320.00
Transferred to Hospital Furn. and Fix.....	300.00

	620.00
Dining Hall and Kitchen Furn. and Fix., Dec. 1, 1913..	\$ 295.00
Improvements	980.47

	1,275.47
Hospital Furniture and Fixtures, Dec. 1, 1913.....	\$ 1,187.00
Improvements	2,634.76
Transferred from Club House Furn. and Fix....	300.00
Transferred from Furn. and Crock. account.....	208.53

	4,330.29
Nurses' Home	416.90
Automobile	597.00
Cash on hand November 30, 1914.....	443.06
Inventory November 30, 1914.....	7,114.53
Old Accounts, 1912-1913	4,782.41

Sundry Expense Accounts:

Automobile Expense	\$ 276.59
Drugs and Medicines	655.43
Fuel, Light and Water	1,291.04
Freight, Express and Drayage.....	1,159.68
Farm Expenses	2,619.04
Hospital Supplies	1,129.40
Dairy Expenses	2,517.16
Ice and Coal	587.83
Interest	792.28
Laundry	1,369.41
Nurses and Attendants	2,555.67
Office Supplies	112.98
Provisions	14,596.67
Plumbing Repairs	216.25
Repairs to Farm Machinery and Tools.....	76.15
Repairs to Pump Station	189.32
Salaries	5,788.17
Service—Cooks, etc.	4,366.98
Stamps and Stationery	380.99
Surveying and Mapping	120.73
Telephone and Telegraph	48.68
Traveling Expenses	324.69
Incidental Repairs and Directors' Expenses.....	299.80
Insurance	356.45
	41,831.39
	\$138,735.29

CREDIT.

Surplus—includes State Appropriations.....	\$99,909.51
Accounts Payable prior to December 1, 1913.....	\$ 6,184.89
Accounts Payable since December 1, 1913.....	10,242.85
	16,427.74
Patients	19,223.56
Bills Payable	3,074.48
	\$ 138,735.29
Unexpended Fund for Library	100.00

BILLS PAYABLE.

Page & Johnson	\$ 246.45
Aberdeen Store Company	1,525.08
Aberdeen Store Company	874.66
Aberdeen Hardware Company	173.29
Fayetteville Steam Laundry Company	200.00
Johnston Harvester Company	55.00
	\$ 3,074.48

ANALYSIS.

Sundry Expenses, Accounts as per report.....	\$ 41,831.39
Less Accounts prior to December 1, 1913.....	6,184.89
Total Running Expenses from Dec. 1, 1913, to Nov. 30, 1914.....	35,646.50
Total Hospital days from Dec. 1, 1913, to Nov. 30, 1914.....	20,821
Per Capita Cost, per day.....	\$1.71
Hospital days December 1, 1913, to May 31, 1914.....	5,729
Receipts from Patients, Dec. 1, 1913, to May 30, 1914.....	\$5,606.37
Hospital days from June 1, 1914, to Nov. 30, 1914.....	15,092
Receipts from Patients, June 1, 1914, to Nov. 30, 1914.....	\$13,617.19

STATE LIBRARY OF NORTH CAROLINA



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